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UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
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6



Bib Data Sheet

CONFIRMATION NO. 5771

SERIAL NUMBER 09/847,097	FILING DATE 05/01/2001 RULE	CLASS 375	GROUP ART UNIT 2631	ATTORNEY DOCKET NO. 20870-06001
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APPLICANTS

Francois Trans, Los Altos, CA;  
Tho Le-Ngoc, Anjou, CANADA;

*Yes, B*

\*\* CONTINUING DATA \*\*\*\*\*

THIS APPLICATION IS A DIV OF 09/550,395 04/14/2000 - PENDING  
AND CLAIMS BENEFIT OF 60/170,455 12/13/1999  
AND A CIP OF 09/444,007 11/19/1999 - ABA  
AND A CIP OF 09/417,528 10/13/1999 - US PAT. NO 6,553,085  
AND CLAIMS BENEFIT OF 60/104,316 10/13/1998  
AND CLAIMS BENEFIT OF 60/109,340 11/20/1998  
AND CLAIMS BENEFIT OF 60/129,314 04/14/1999  
AND SAID 09/550,395 04/14/2000 - PENDING  
IS A CIP OF PCT/US00/06842 03/15/2000  
THIS APPLICATION 09/847,097  
IS A CIP OF 09/127,383 07/31/1998 6,377,640  
AND CLAIMS BENEFIT OF 60/089,526 06/15/1998  
AND CLAIMS BENEFIT OF 60/085,605 05/15/1998  
AND CLAIMS BENEFIT OF 60/054,415 07/31/1997  
AND CLAIMS BENEFIT OF 60/054,406 07/31/1997

\*\* FOREIGN APPLICATIONS \*\*\*

PCT/US00/06842 03/15/2000

IF REQUIRED, FOREIGN FILING LICENSE GRANTED \*\* SMALL ENTITY \*\*  
\*\* 06/26/2001

Foreign Priority claimed	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY CA	SHEETS DRAWING 97	TOTAL CLAIMS 12	INDEPENDENT CLAIMS 1
35 USC 119 (a-d) conditions met	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature <i>BB</i>	Initials			

ADDRESS

00758

TITLE

Channel equalization system and method

FILING FEE RECEIVED 420	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )
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1.18 Fees ( Issue )

Other \_\_\_\_\_

Credit



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

APPLICANT(S): Francois Trans and Tho Lo-Ngoc COPY OF PAPERS  
ORIGINALLY FILED  
APPLICATION NO.: 09/847,097  
FILING DATE: May 1, 2001  
TITLE: Channel Equalization System And Method RECEIVED  
EXAMINER: Unassigned APR 15 2002  
GROUP ART UNIT: 2631 Technology Center 2600  
ATTY. DKT. NO.: 20870-06001; Case 6001 US

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, Office of Initial Patent Examination, Customer Service Center, Washington, D.C. 20231, on the date shown below:

Dated: 25 Feb 2002

By:   
John T. McNelis, Reg. No.: 37,186

COMMISSIONER FOR PATENTS  
OFFICE OF INITIAL PATENT EXAMINATION  
CUSTOMER SERVICE CENTER  
WASHINGTON, DC. 20231

**SECOND REQUEST FOR CORRECTED FILING RECEIPT**

SIR:

Enclosed is a copy of the Updated Filing Receipt. It contains errors in the 'Domestic Priority Data as claimed by applicant' section. Please have the section read as follows, (items in **bold** have been inserted, changed and/or moved). This corrected Priority data is evidenced by the application data sheet, which was submitted at the time of filing, a copy of which is enclosed. \*Applicant requests that the language corrected by the Patent and Trademark Office i.e., 'Claims Benefit of' rather than CIP, is further incorporated, see 1<sup>st</sup> item in bold.



PATENT

This Application is a DIV of 09/550,395, 4/14/2000

Which Claims Benefit of 60/170,455, 12/13/1999

COPY OF PAPERS  
ORIGINALLY FILED

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And A CIP of 09/127,383, 07/31/1998

Which Claims Benefit of 60/054,415, 07/31/1997

And Claims Benefit of 60/054,406, 07/31/1997

**And Claims Benefit of 60/085,605, 05/15/1998**

And Claims Benefit of 60/089,526, 06/15/1998

And Said 09/550,395, 4/14/2000

Is A CIP of PCT/US00/06842, filed 03/15/2000

Which Claims Benefit of 60/129,314, 04/14/1999

And Said 09/550,395, 4/14/2000

Is A CIP of 09/444,007, 11/19/1999

Which Claims Benefit of 60/109,340, 11/20/98

Which Claims Benefit of 09/417, 528, filed on 10/13/99

And Claims Benefit of 60/104,316, filed on 10/13/98

Please issue a corrected Filing Receipt rectifying these errors.

Respectfully submitted,  
Francois Trans and Tho Lo-Ngoc

Dated: 23 Feb 2002 By: 

John T. McNelis, Reg. No.: 37,186  
Fenwick & West LLP  
Two Palo Alto Square  
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Fax.: (650) 494-1417



## UNITED STATES PATENT AND TRADEMARK OFFICE

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UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/847,097	05/01/2001	2631	420	20870-06001	97	12	1

00758  
FENWICK & WEST LLP  
TWO PALO ALTO SQUARE  
PALO ALTO, CA 94306

RECEIVED

JAN 14 2002

FENWICK &amp; WEST LLP

CONFIRMATION NO. 5771  
UPDATED FILING RECEIPT

\*OC000000007280573\*

Date Mailed: 01/08/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Francois Trans, Los Altos, CA;  
Tho Le-Ngoc, Anjou, CANADA;

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A DIV OF 09/550,395 04/14/2000 4671  
AND CLAIMS BENEFIT OF 60/170,455 12/13/1999 4430  
AND A CIP OF 09/444,007 11/19/1999 4571  
AND A CIP OF 09/417,528 10/13/1999 4511  
AND CLAIMS BENEFIT OF 60/104,316 10/13/1998 3451  
AND CLAIMS BENEFIT OF 60/109,340 11/20/1998 3497  
AND CLAIMS BENEFIT OF 60/129,314 04/14/1999 3914  
AND SAID 09/550,395 04/14/2000  
IS A CIP OF PCT/US00/06842 03/15/2000  
THIS APPLICATION 09/847,097  
IS A CIP OF 09/127,383 07/31/1998 3434  
AND CLAIMS BENEFIT OF 60/089,526 06/15/1998 3460  
AND A CIP OF 09/085,605 05/27/1998 AND CLAIMS BENEFIT OF 60/085,605 05/15/98  
AND CLAIMS BENEFIT OF 60/054,415 07/31/1997 2701  
AND CLAIMS BENEFIT OF 60/054,406 07/31/1997 2100

\*\*\*\*

## Foreign Applications

PCT/US00/06842 03/15/2000

If Required, Foreign Filing License Granted 06/26/2001

Projected Publication Date: 04/18/2002

**Non-Publication Request: No**

**Early Publication Request: No**

**\*\* SMALL ENTITY \*\***

**Title**

Channel equalization system and method

**Preliminary Class**

375

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

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No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



## INVENTOR INFORMATION

MAR. 1 2 2002

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Country:: USA  
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State or Province of Residence:: California  
Country of Residence:: USA  
Citizenship Country:: USA  
Inventor Two Given Name:: Tho L  
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State or Province of Residence:: Quebec  
Country of Residence:: Canada  
Citizenship Country:: Canada

## CORRESPONDENCE INFORMATION

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Fax One:: (650) 494-1417  
Electronic Mail One:: jmcnelis@fenwick.com

## APPLICATION INFORMATION

Title Line One:: Channel Equalization System And Method  
Total Drawing Sheets:: 97  
Formal Drawings?:: Yes  
Docket Number:: 20870-06001  
Secrecy Order in Parent Appl.?:: No

## REPRESENTATIVE INFORMATION

Representative Customer Number:: 758

#### CONTINUITY INFORMATION

This application is a::: DIVISION OF  
> Application One::: 09/550,395  
Filing Date::: 04-14-2000



:Which is a:::CONTINUATION IN PART OF  
>> Application Two::: 60/170,455  
Filing Date::: 12-13-1999

This application is a::: CONTINUATION IN PART OF  
> Application Three::: 09/444,007  
Filing Date::: 11-19-1999

Which is a::CONTINUATION IN PART OF  
>> Application Four:: 09/417,528  
Filing Date:: 10-13-1999

Which is a::CONTINUATION IN PART OF  
>>> Application Five:: 60/104,316  
Filing Date:: 10-13-1998

Which is a::CONTINUATION IN PART OF  
>>>Application Six::: 60/109,340  
Filing Date::: 11-20-1998

This application is a:: CONTINUATION IN PART OF  
> Application Seven:: 60/129,314  
Filing Date:: 04-14-1999

This application is a:: CONTINUATION IN PART OF  
> Application Eight:: PCT/US00/06842  
Filing Date:: 03-15-2000

This application is a::: CONTINUATION IN PART OF  
> Application Nine::: 09/127,383  
Filing Date::: 07-31-1998

Which is a::CONTINUATION IN PART OF  
>> Application Ten:: 60/089,526  
Filing Date:: 06-15-1998

Which is a continuation in part of CLAIMS BENEFIT OF  
>>> Application Eleven.: 60/085,605  
Filing Date.: 05-15-1998

Which is a::CONTINUATION IN PART OF  
>>>Application Twelve:: 60/054,415  
Filing Date:: 07-31-1997

Which is a:::CONTINUATION IN PART OF  
>>>> Application Thirteen::: 60/054,406  
Filing Date::: 07-31-1997

PRIOR FOREIGN APPLICATIONS

Foreign Application One:: PCT/US00/06842

Filing Date:: 03-15-2000

Country:: PCT

Priority Claimed:: Yes

Source:: PrintEFS Version 1.0.1



**COPY OF PAPERS  
ORIGINALLY FILED**

PTO/SB/17 (10-01)(modified)  
OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0002/PTO(modified) Department of Commerce  
Rev. 10/2001 Patent and Trademark Office

**FEE TRANSMITTAL**

**TOTAL AMOUNT OF PAYMENT**

Subtotal (1) + Subtotal (2) + Subtotal (3) = **(\$0)**

*Complete if Known*

Application Number	09/847,097	<b>RECEIVED</b>
Filing Date	May 1, 2001	<b>APR 15 2002</b>
First Named Inventor	Francois Trans	
Group Art Unit	2631	
Examiner Name	Unassigned	
Attorney Docket Number	20870-06001	<b>Technology Center 2600</b>

**METHOD OF PAYMENT**

**FEE CALCULATION (continued)**

**1. The Commissioner is hereby authorized to:**

- Charge the indicated fees to the below mentioned deposit account.
- Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account.<sup>1</sup>
- Applicant claims small entity status  
See 37 CFR 1.27

Deposit Account Number: 19-2555  
Deposit Account Name: FENWICK & WEST LLP

A Duplicate Copy of this authorization is attached

**2.  Payment Enclosed:**

- Check
- Credit Card
- Other

**FEE CALCULATION (fees effective 10/01/2001)**

**1. FILING FEE**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
101/\$740	201/\$370	Utility Filing	<input type="text"/>
106/\$330	206/\$165	Design Filing	<input type="text"/>
108/\$740	208/\$370	Reissue	<input type="text"/>
114/\$160	214/\$80	Provisional Filing	<input type="text"/>
<b>SUBTOTAL (1)</b>		<b>(\$0.00)</b>	

**3. ADDITIONAL FEES**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
105/\$130	205/\$65	Surcharge - late filing fee or oath	<input type="text"/>
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet	<input type="text"/>
147/\$2,520	147/\$2,520	For filing a request for reexamination	<input type="text"/>
115/\$110	215/\$55	Extension for response within first month <sup>1</sup>	<input type="text"/>
116/\$400	216/\$200	Extension for response within second month <sup>1</sup>	<input type="text"/>
117/\$920	217/\$460	Extension for response within third month <sup>1</sup>	<input type="text"/>
118/\$1,440	218/\$720	Extension for response within fourth month <sup>1</sup>	<input type="text"/>
128/\$1,960	228/\$980	Extension for response within fifth month <sup>1</sup>	<input type="text"/>
119/\$320	219/\$160	Notice of Appeal	<input type="text"/>
141/\$1,280	241/\$640	Petition to revive unintentionally abandoned application	<input type="text"/>
142/\$1,280	242/\$840	Utility Issue Fee (Or Reissue)	<input type="text"/>
143/\$460	243/\$230	Design Issue Fee	<input type="text"/>
122/\$130	122/\$130	Petitions to the Commissioner	<input type="text"/>
126/\$180	126/\$180	Submission of Information Disclosure Statement	<input type="text"/>
179/\$740	279/\$370	Request for Continued Examination (RCE)	<input type="text"/>
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	<input type="text"/>
146/\$740	246/\$370	Filing a submission after final rejection (37 CFR 1.129(a))	<input type="text"/>
149/\$740	249/\$370	For each additional invention to be examined (37 CFR 1.129(b))	<input type="text"/>
<b>Other fee (specify):</b>		<input type="text"/>	<input type="text"/>
<b>Other fee (specify):</b>		<input type="text"/>	<input type="text"/>
		<b>SUBTOTAL (3)</b>	<b>(\$0.00)</b>

**2. CLAIMS**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description
103/\$18	203/\$9	Claims in excess of 20
102/\$84	202/\$42	Independent claims in excess of 3
104/\$280	204/\$140	Multiple dependent claim
109/\$84	209/\$42	Reissue independent claims over original patent
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent

For	No. of Existing Claims	Highest No. Previously Paid For	(Col. 1)		(Col. 2)		(Col. 3)		Fee Due
			minus*	20 or 0	=	Extra**	Fee	=	
TOTAL									
INDEP									
[ ] First presentation of multiple dependent claim									

\* Subtract the greater number of Col. 2

\*\* If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3

**SUBTOTAL (2)**

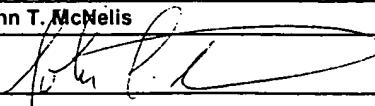
**(\$0.00)**

**SUBMITTED BY**

Typed or Printed Name **John T. McNelis**

*Complete (if applicable)*

Reg. Number **37,186**

Signature 

Date

**23 Feb 2002**

<sup>1</sup> Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby



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Approved for use through xx/xx/xx, OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/21 (modified)

0001/PTO  
Rev. 10/95

U.S. Department of Commerce  
Patent and Trademark Office

Application Number **09/847,097**

Filing Date **May 1, 2001**

First Named Inventor **Francois Trans**

Group Art Unit Number **2631**

Examiner Name **Unassigned**

**TRANSMITTAL FORM**

*(to be used for all correspondence during pendency of filed application)*

Total Number of Pages in This Submission

**10**

Attorney Docket Number **20870-06001**

**RECEIVED**

APR 15 2002

**ENCLOSURES (check all that apply)**

Fee Transmittal Form (in duplicate)  
 Check Enclosed

Return Receipt Postcard

Response to Notice to File Missing Parts

Assignment & Recordation Cover Sheet

Declaration

Power of Attorney

Copy of Application Data Sheet

Information Disclosure Statement & PTO-1449  
 Copies of IDS Cited References

Second Request for Corrected Filing Receipt

Request for Correction of Recorded Assignment

Amendment/Response: [ ] Page(s)  
 After Final

Status Request

Revocation and Substitute Power of Attorney

Issue Fee Transmittal

Letter to Chief Draftsperson

Formal Drawing(s):  
 [ ] Sheet(s) of Figure(s) [ ]

Appeal Communication to Board of Appeals and Interferences

Appeal Communication to Group  
*(Appeal Notice, Brief, Reply Brief)*

Certified Copy of Priority Document(s)

After Allowance Communication to Group

Copy of Updated Filing Receipt

**Technology Center 2600**

**REMARKS:**

**SIGNATURE OF ATTORNEY OR AGENT**

Signature:

Attorney/Reg. No.: **John T. McNeilis, Reg. No. 37,186**

Dated:

**23 Feb 2002**

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.

Signature:

Typed or Printed Name:

**John T. McNeilis**

Dated:

**25 Feb 2002**

Express Mail Mailing Number (optional):